

CSIR – Special Questions Confined Space Mishaps

1. Were specific confined space locations identified/evaluated in accordance with in accordance with (IAW)) EM-385-1-1 section 06.I.01 by Navy? By the Contractor?
2. Did contractor have a written confined space program meeting the requirements of EM-385-1-1 section 06.I.04? If not, explain.
3. Were employee(s) trained IAW EM-385-1-1 section 06.I.06?
4. Was an attendant stationed outside workspace? Did he/she successful accomplish their duties as outlined in EM-385-1-1 section 06.I.02.B?
5. Did the contractor have either an on site rescue team or a prearranged outside rescue team available? If not, explain. (EM-385-1-1 sections 06.I.09 and 06.I.10)
6. Was rescue procedure for specific confined space operations practiced?

CSIR – Special Questions Crane and Rigging Mishaps

1. Was the operator trained/certified?
2. Was the rigger trained/certified?
3. Was there a designated signalman?
4. Is there a written SOP for the operation? Was a job hazard analysis done for the operation?
5. What type of equipment (crane) was involved in the mishap? Was the equipment tested/certified (including slings)?
6. Did the operator complete an ODCL prior to start of the job?
7. Was the crane/equipment the right type for the job?
8. Crane identification (provide type, ID number, weight capacity, maintenance records)
9. What was the anticipated weight of the lift?
10. What was the boom angle?
11. Was the rigging in use done properly?
12. For operator/rigger: Was his/her physical exam current? Was he/she medically qualified?
13. What was the condition of the ground surface?
14. Were workers under any time pressures to get job done?
15. What were the weather conditions prior to and at the time of mishap?
16. Were the outriggers properly used? (All of them?)
17. Were the crane safety devices functioning properly?

18. Was there a clear line of vision for the operator?
19. Was a safety zone (swing zone) established?
20. Were any crane add-ons (jib, etc) computed into the lift weight?
21. Were all interfering clearances considered? (e.g. electrical, buildings, other operations, etc.)
22. Who was responsible for the lift? Did he/she know?
23. Was a pre-lift meeting/briefing conducted?
24. Was equipment failure a factor?
25. Were any modifications to equipment in place? If so, were they authorized?

CSIR – Special Questions Diving Mishaps

1. Was surface supplied air used? If not, why not? (EM-385-1-1 section 30.A.02)
2. Was diver medically certified by MD specializing in barotraumas and hyperbaric medicine? (EM-385-1-1 section 30.A.06. Attach copy of certificate)
3. Did diver have training consistent with scope of work? Was training documented? (EM-385-1-1 section 30.A.06)
4. Did dive plan contain all elements required by EM-385-1-1 section 30.A.13?
5. Was the contractors safe practices diving program manual submitted, reviewed, approved by Navy? (EM-385-1-1 section 30.A.11)
 - 5.1 By whom:
 - 5.2 When:
6. Date of Pre-Dive Conference: (EM-385-1-1 section 30.A.14)
7. Was Dive Log current and maintained at Dive Location? (EM-385-1-1 section 30.A.17)
8. Were stand-by divers present?

CSIR – Special Questions Demolition/Renovation Mishaps

1. Was an engineering survey of building(s) completed by a competent person? (EM-385-1-1, section 23.A.01)
2. Was an asbestos survey conducted by a Certified Asbestos Inspector? (EM-385-1-1 section 23.A.01)
3. Was a copy of the Demolition Plan submitted and approved by Navy?
 - 3.1 Date approved:
 - 3.2 By whom?
4. Were all utilities shut off and capped? (EM-385-1-1 section 23.A.02)
5. Did contractor provide Navy with an Engineering Drawing indicating utility locations and means for control?
6. Did work progress in accordance with (IAW) EM-385-1-1 section 23.A.05? If not, describe deviation.
7. Was shoring and bracing adequate? If not, explain.
8. Was debris removal IAW EM-385-1-1 section 23.B.? If not, explain.
9. Were walls, floors, steel removal IAW EM-385-1-1 sections 23.C, D, and E as required? If not, explain.

CSIR – Special Questions Electrical Mishaps

1. Was lockout/tagout/tryout/groundout used?
2. Were the employee(s) CPR trained/certified?
3. Had the employee(s) received job specific training?
4. What level of experience did the employee(s) possess?
5. Was the emergency response timely/adequate? If not, describe problem.
6. Where were the entry/exit wounds?
7. Was there an SOP/JHA? Was it adequate? Was it followed?
8. Had the employee(s) received permission to work?
9. What was the crew make-up? (i.e. levels of experience, grade, title, etc.)
10. What PPE was required? Was it available and used?
11. Was isolation required and/or used? (i.e. lines underground)
12. Were safe work practices enforced?
13. Was the crew under time constraints/pressure to complete the task?
14. What was the jobsite inspection history by the safety office and/or supervisor?
15. What voltage was involved?
16. Was the system/equipment properly grounded?
17. What was the equipment/system maintenance history?
18. Was the equipment and/or PPE properly tested in accordance with (IAW) appropriate standards? (e.g., gloves, blankets, bucket trucks, etc.) List test dates.

CSIR – Special Questions Equip/Mtr Veh/Mat Handling (Heavy Construction Equip)

1. When was the operator trained on this piece of equipment? Is there documentation?
2. Is licensing required? If so, is it current?
3. Did the equipment have back-up alarms? If so, were the alarms functioning?
4. What was the surface conditions?
5. What were the weather conditions?
6. What was the physical condition of the operator prior to the mishap?
7. Are seatbelts installed in the equipment?
8. What was the task being performed?
9. Was the right equipment being used for the job?
10. Was the equipment equipped with rollover protection?
11. Any written SOP/JHA? If so, was the SOP/JHA in use or followed?
12. What is the repair/maintenance history of the equipment?
13. Properly identify the equipment (type, model number, etc).
14. Did the operator complete an Operator's Daily Checklist?
15. Evaluate the enforcement of the safe work procedures.
16. What was the time on task (hours on job, continuous)?
17. Were authorized bystanders (injured) briefed/trained on safe practices around heavy equipment operations?

18. Were work boundaries established? Were they honored?
19. Was supervision evident? Was supervision adequate?
20. Was any utility locating (toning) done prior to job? If so, how, when and by whom?
Above or below ground?
21. Had the equipment been modified? If so, how? Was it authorized?
22. Was PPE being used? Was it proper for the job? Properly used?
23. Was lockout/blocking or bracing in place?

CSIR – Special Questions Equip/Mtr Veh/Mat Handling (Materials Handling)

1. What equipment was involved?
2. What was the load rating of the equipment?
3. Was the load rating exceeded?
4. Any specific training required? If so, were they accomplished? Documented?
5. Is there a written SOP/JHA for the job? Was it used?
6. Was the equipment being used appropriate for the task?
7. Was the crew under any time constraints or pressure to get the job done quickly?
8. Was the work scheduled or was this emergency work?
9. If manual material handling, could mechanical means have been used instead? Should mechanical means have been used instead?
10. Was a job or workplace evaluation conducted prior to the mishap?
11. What was the task being performed?
12. Are there any daily inspection records for the materials handling equipment?
13. What is the mishap history for the type of work?
14. Were safe work procedures enforced?
15. Was licensing required for the equipment? If so, were operators properly licensed?
16. Were safety devices of the equipment operable?
17. What was the physical condition of the employee involved? (Last PE, under the influence, emotional state, etc)

18. Any back injury prevention training for employee(s)?
19. Was any PPE being used? Was it appropriate for the job? Was it used properly?
20. What is the maintenance history of equipment?
21. Any attachments to equipment? If so, was it appropriate? Authorized?
22. What were the surface conditions (ground surface, obstacles, operating room, etc)?

CSIR – Special Questions

Equip/Mtr Veh/Mat Handling (Man-Lifts/Elevated Work Platforms)

1. Was the operator trained?
2. Were the employees tied off (fall protection)?
3. What type of Man-lift was in use?
4. Was there a written SOP/JHA prepared/available/used?
5. Were the man-lift weight limitations exceeded?
6. Was the man-lift built to standard (ANSI)?
7. Was the man-lift being used in accordance with (IAW) manufacturer recommendations/standards?
8. What were the site conditions (ground, support, site)?
9. Were there any electrical isolation checks prior to lift?
10. What was the specific task being performed?
11. What was the overall job/task assigned?
12. Was the crew under any time pressures to complete the job?
13. Were outriggers provided/required/used?
14. Describe the terrain (level, hard, soft, etc).
15. Was the equipment being used appropriate for the task?
16. Was a daily equipment inspection (ODCL) conducted?
17. Were there any obstructions to the lift?
18. Were safety rules/work procedures enforced?

19. What was the operator's condition (under the influence, on medication, physically qualified, last PE, etc)?
20. What is the maintenance history of the equipment (review records, inspection documents, repair records)?
21. What were the weather conditions prior to and at the time of the mishap?
22. Is there a written program governing use of the man-lift? If so, was it followed/used?
23. Are the manufacturer's operating instructions available? Were they at the job site? Were they used/followed?
24. Were employees trained per the manufacturer's operating instructions?
25. Was the equipment weight tested? If so, when?

CSIR – Special Questions Falls from Ladder

1. How far did the employee(s) fall?
2. What did they land on?
3. What type of ladder was involved?
4. Was it the appropriate type for the task?
5. Did the employee have any physical limitations?
6. Was a process for periodic inspection of ladders established? Was it adequate?
7. What was the employee's position on the ladder prior to the mishap?
8. How long had the employee been on the ladder prior to the mishap?
9. Was the employee carrying equipment/tools?
10. Were site conditions/base/support adequate?
11. Was weather a factor?
12. Did the employee fall off or with the ladder?
13. Was the ladder tied off?
14. Did the ladder extend at least 3 feet above the landing surface?
15. Did the ladder have any broken or bent rungs? Adequate safety feet? Sticky/greasy/etc surfaces?
16. Was the appropriate type of ladder available?

CSIR – Special Questions Falls from Roof

1. What was the type/angle/slope of the roof?
2. What was the height of the roof?
3. Were safety procedures enforced?
4. Had employee(s) received required training?
5. Was there a written SOP/JHA for the specific job?
6. Were employee(s) under time constraints/pressure to complete their task(s)?
7. Were barriers required and in place? If so, did the barriers fail?
8. Was there a history of job site inspection?
9. Did weather play a factor?
10. What task(s) were the employee(s) performing?
11. Did the employee(s) have any physical limitations?
12. Was emergency response appropriate and adequate?
13. Was fall protection required and used?
14. Was PPE available and used?
15. How far did the employee(s) fall?
16. What did they land on?
17. What was the roof type/construction surface involved?
18. Had the roof surface been inspected? If so, by whom?

19. Were roof obstructions (e.g., pipes, wiring, and vents) involved?
20. Did the employee(s) fall off or through the roof?
21. Were skylights and/or openings adequately protected?
22. How long had the employee(s) been on task?
23. Were skylights involved? If so, how?
24. Were harness, lifelines, and/or lanyards in use? If so, what type?
25. Was perimeter protection in use? If so, what type?

CSIR – Special Questions Falls from Scaffold

1. What type/class of scaffold was used?
2. Was the scaffold built to standard (i.e. OSHA, ANSI)?
3. What PPE was required and was it used?
4. Was fall protection properly installed and/or used?
5. Was daily inspection performed by a competent person?
6. Was the scaffold base/foundation flat/sound?
7. How far did the employee(s) fall?
8. What did they land on?
9. Was the scaffold constructed in accordance with (IAW) manufacturers and/or ANSI standards?
 - 9.1 Who built the scaffold?
 - 9.2 Were they trained/qualified?
10. Was the scaffold construction supervised by a competent person?
11. Had the employee(s) been trained in the care/use of scaffolds?
12. Was there a written SOP/JHA? If so, were employees knowledgeable of the SOP/JHA?
13. What were the weather conditions?
14. Was lockout/tagout/tryout of adjacent equipment/operations required and performed?
15. Were scaffold materials (i.e. frame, planks) inspected prior to construction?
16. Were scaffold components compatible?

17. What work/operation were the employee(s) performing at the time of the mishap?
18. Were employee(s) physically qualified for the work?
19. Were employee(s) under the influence of drugs or alcohol (over the counter or illegal)?
20. Were employee(s) under real or perceived time constraints/pressure to complete their task/work?

CSIR – Special Questions Fire Mishaps

1. What is the estimated dollar amount of property damage?
2. What was the source of ignition?
3. What hazardous material was involved (List types)?
4. What was the cause of fire?
5. Describe fire protection equipment/systems in place during construction?
6. Was smoking a cause/contributing factor?
7. Was electricity a cause/contributing factor?
8. Were flammable/combustible liquids stored properly?
9. Was egress a problem during evacuation?
10. Were temporary heating devices a problem?
11. Who extinguished the fire?
12. How was fire detected?
13. How was fire alarm activated?
14. How was fire department notified?
15. What extinguishing agent was used?
16. What was time period from detection to extinguishment?

CSIR – Special Questions Hazardous Material Mishaps

1. What hazardous material (HM) training had the employee(s) received?
2. Was HM involved? If so, list.
3. Was the HM authorized?
4. Was the MSDS readily available? Consulted? Followed?
5. Had copies of the MSDS been previously provided to the Navy?
6. What was the emergency response?
7. Was the HM used as authorized?
8. Had the process been evaluated by an IH?
9. Is there a written SOP/JHA for the process involved in the mishap? Was it followed?
10. What PPE was required? Was it used? Appropriate?
11. Had an evaluation been conducted to ensure that a less hazardous substitute material was not available?
12. Was the HM a product substituted for an authorized HM?
13. Was there any ventilation? Was it adequate?
14. Was management adequately trained?
15. List last training received.
16. Was the employee(s) exposure monitored?
17. What is the potential for long-range health problems as a result of the HM mishap?

18. Was the HM being used the proper material for the job?
19. Is/was medical surveillance required?
20. Were working boundaries established? Honored?
21. How long had the employee(s) been working with the HM (time on task)?
22. Have all reporting requirements been met? Any reports not completed?
23. Does the mishap involve incompatible storage/use?
24. Were safe working procedures enforced?
25. Any time pressures/constraints on the job?

CSIR – Special Questions Trenching/Excavation Mishaps

1. Was shoring use? If so, what type?
2. How deep was the trench/excavation?
3. Were the workers/supervisor trained?
4. Who was the designated competent person? Had he/she conducted daily inspections?
5. Was the soil tested prior to excavating?
6. What were the weather conditions? Was weather a factor?
7. What equipment was stored outside the trench? How close?
8. Where was the spoil/overburden?
9. What were the surrounding conditions (other operations going on, environment, roadways, traffic, etc)?
10. Were save work practices enforced?
11. Was the shoring construction adequate? Engineered?
12. What impact did the trench/excavation have on adjacent structures (underpinning)?
13. Was the trench a confined space? If so, was testing done? What were the readings?
14. Is there a written SOP/JHA for the operation? Was it followed?
15. Were there adequate means of egress?
16. Was the slope/cut-back adequate?
17. Describe the excavation process (e.g., hand dug, machine)

18. Were the employees under any time constraints?

19. Was the emergency response adequate?

20. Were there barricades/fencing around trench/excavation? If so, was it adequate?

CSIR – Special Questions Waterfront/Marine Mishaps

1. Did contractors wear a personal flotation device that is type III, type V, or better US Coast Guard approved international orange? If not, explain. (EM-385-1-1 section 05.I.)

2. Were throwable devices (Type IV PFD) available in accordance with (IAW) EM-385-1-1 section 05.I.04?

3. Was at least one contractor's safety skiff immediately available at or immediately adjacent to the work location? If not, explain. (EM-385-1-1 section 05.J.01)?

4. Were lifesaving drills performed prior to work start and at least monthly? If not, explain. (EM-385-1-1 section 05.J.02)